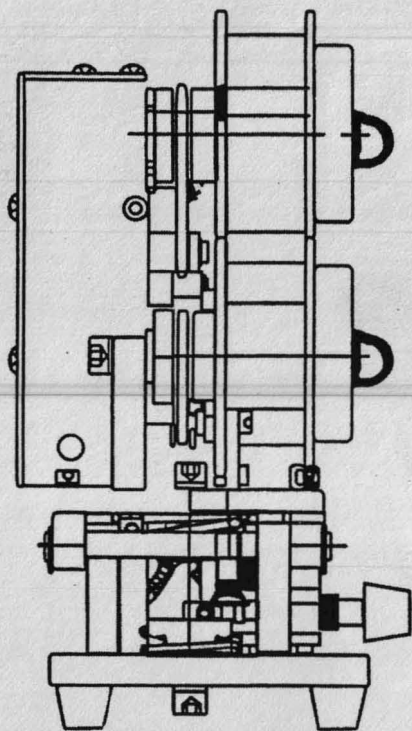


USER' MANUAL

MANUAL CODERPINTER



- Read this manual carefully prior to use.
- Technology is subject to change without further notice.

1. Brief introduction

Our factory introduces into the Japanese advanced technology of thermal printer and produces this machine. The thermal printing ribbon is used with the machine instead of the ink printing ribbon. Our factory designs thermal printer, which is used to print the name of factory, trademark, date of production and batch number on the sheet film, composite film plastic bags, aluminum plastic and paper plastic etc. composite soft packing bags. The packed goods should be accord with the National Food Hygiene Law and Pharmaceutical Management Law.

Scope of application:

The machine is suitable for application in food, drink, medicine, aquatic product, local product, cosmetic, electronic component, metal fittings and chemical industry etc. it can print the clear characters on any packing materials (metal material excepted).

2. Features:

a. Be specially suitable for application in the fields of food and medicine-----The used thermal printing ribbon can avoid the pollution of printing ink and keep the hand and machine clean.

b. Clear printing-----The thermal printing ribbon is

used, so it isn't necessary to dry and the printing is clear.

c. Be suitable for any packing material, such as OK-PT,PE, OPP, CPP, aluminum foil and paper etc.

d. Be easy to change the type. -----The special changing type structure is adopted. It is easy to assemble and unassembled the type.

e. Be easy to use. -----The machine can satisfy the users by its reasonable design, exact process and perfect quality and it is easy to maintain

3. Purpose:

For painting the date of production, batch number, period of validity, weight, price, size, producing area, component, accretion, quality, card number, registration number, manufacturer and sales agent.

4. Applicable packing materials

The thermal shrinkage brands of PT, PE, KT, OPP, CPP, aluminum foil, plastic bag and drink bottle and all kinds of plastic composite film and the paper, leather, cloth, packing container, packing bag, plastics and plastic casting of the electronic component.

5. Thermal printing ribbon:

The thermal printing ribbon is used with the machine. The inside diameter of the standard core of the ribbon is one inch ($\Phi 25.4\text{mm}$). The maximal width of the

ribbon is 35mm. The length is 100m. The width and colors of the ribbon can be chosen according to circumstances.

6.Capability:

Speed	90 times/minute	
Area of printing	Three lines. Max:13×35,21 types	
Type	Arabic numerals.Can choose English and Chinese	
Thermal printing ribbon	The maximal width is 35mm	
Power supply	220V	Heating pipe:50W/220V
Size mm	240×240×140	
Height×lenght×width		
Net weight	2.8kg	

7. Method of application:

A.Installation of the printing ribbon

Unscrew the replacing nuts on the transfer cylinder (it isn't necessary to screw off it),take off the sliding methyl methacrylate stop and fit on the thermal printing ribbon and the sliding stop.The stop should cling to the side of the thermal printing ribbon.Coil the ribbon according to the direction shown in the

drawing. Unscrew the replacing nut on the coiling cylinder, take off the sliding stop and fit on the empty core roller(after the thermal printing ribbon is used up). Stick the ribbon head on the empty paper roller. The direction should be same with the direction shown in the drawing. Fix on the sliding stop and screw the replacing nuts.

B. Change the width radix of the ribbon

Regulate the axial position of the retaining ring. Don't regulate the inner retaining ring and only regulate the outer retaining ring and make the distance between the two retaining rings be larger for 1mm than the width of the ribbon.

C. Regulate the ribbon loading resistance

The lowest limit is the ribbon isn't loose (moderately tighten) in the course of printing. Reduce the ribbon loading resistance as more as possible, but the resistance cannot be too small. Should ensure the thermal printing ribbon has the enough tension after printing and the thermal printing ribbon doesn't stick with the printed material and deviate while running.

D. Regulate the space of ribbon loading course

Change the upper and lower positions of the bolts to regulate the space of ribbon loading course in order to change the space of ribbon loading and the

row spacing .1mm is the optimal numerical value in order to save the ribbon.

E.Regulation of the temperature

Regulate the button(TEMPERATURE)according to the printed materials.The temperature scales of all kinds of materials are shown in the list as follow.

(For indication only.Be affected by the thickness,producing area and quality of the material and air temperature.)

Temperature scales	Applicable materials
0-3	PE, CPP thermal shrinkage brands
3-5	OPP,PVC,all kinds of composite plastic bags,paper
5	

The time of warm-up the machining is 15-20 minutes.If you are anxious to use ,you can regulate the temperature to the max .When the temperature reaches,regulate the temperature again to the original position, which can shorten the time of warm-up.

F. Synchro control : the installation diagram of synchronization

G. Change the type

Gently push in the type-loading handle(for 1.5-2mm). At the same time turn the handle 90°, come

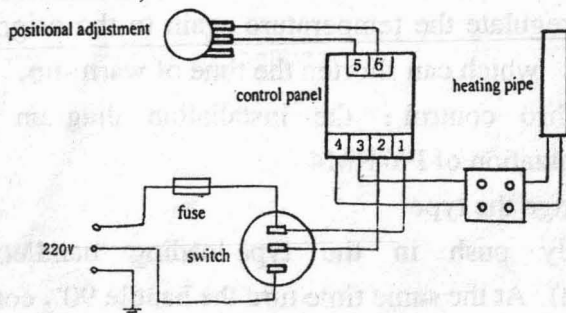
away the gib head, pull out the type module and replace the type, which cannot be defective. Should not knock the type with metal rods on order to avoid damaging the type.

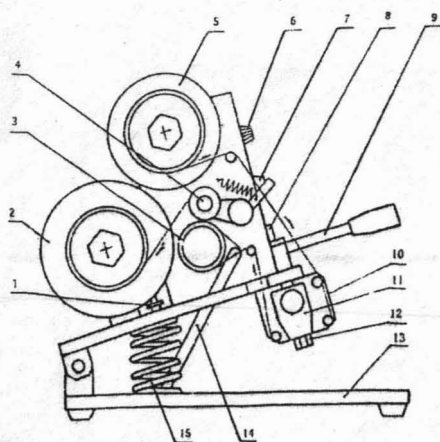
H. Printing

After regulated, the machine can start to print. The method of operation can be chosen according to the habit of the operator. If the film material is very thin, can put a pile of film into the printer. After one piece is printed, you can take out the piece. If the material is very thick, for example the paper box, printing one piece is better.

1. Cleaning

Termly clean the surfaces of the ribbon loading wheel and the pinch roller and the ribbon guide rod with the petroleum benzine or the absolute alcohol in order to prevent from skidding and unclear printing. (once three days or once a week, according to the contamination)





1. Space of ribbon loading course
2. Delivery cylinder
3. Transfer parts
4. Transfer tension shaft
5. Transfer cylinder
6. Temperature(switch)
7. 2A(fuse)
8. Power supply(switch)
9. Handle
10. Position of installation of the ribbon
11. Type block
12. Type
13. Bed plate
14. Lever
15. Pressure spring